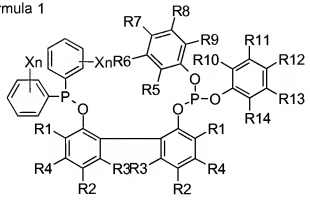
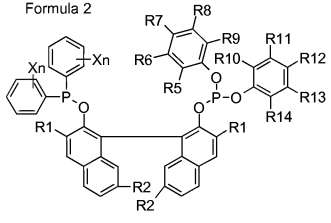
AMENDMENTS TO THE CLAIMS

1. (Previously presented) A phosphinite phosphite selected from the group consisting of Formula 1, Formula 2, Formula 3, Formula 4, Formula 5 and Formula 6,

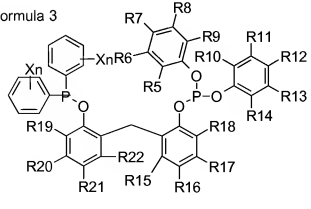
Formula 1



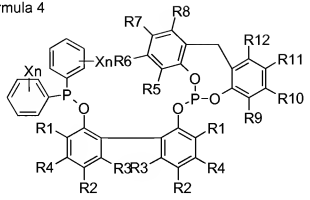
Formula 2



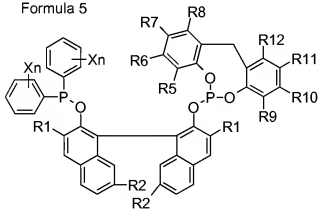
Formula 3



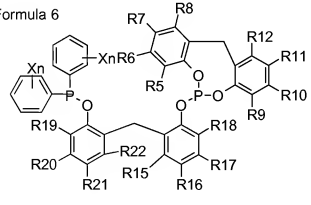
Formula 4



Formula 5



Formula 6



where

R1, R2, R4 are each independently an alkyl or alkylene group having from 1 to 8 carbon atoms, with the proviso that at least one of the R1, R2, R4 groups is not H,

R5 to R22 are each independently H, an alkyl or alkylene group having from 1 to 8 carbon atoms,

R3 is H, methyl or ethyl,

X is F, Cl or CF_3 if n is 1 or 2,

and mixtures thereof.

2. (Previously presented) A phosphinite phosphite as claimed in claim 1 where R1, R2, R4, R5, R7, R8, R10, R12, R13 are each independently selected from the group consisting of H, methyl, ethyl, n-propyl, isopropyl and t-butyl.

3. (Cancelled)

4. (Previously presented) A transition metal complex containing a phosphinite phosphite ~~I~~ as claimed in claim 1 as a ligand.

5. (Previously presented) A transition metal complex as claimed in claim 4, wherein the transition metal is nickel.

6. (Previously presented) A process for preparing a transition metal complex as claimed in claim 4 comprising reacting a transition metal or a chemical compound containing a transition metal with a phosphinite phosphite as claimed in claim 1.

7. (Currently amended) ~~The use of A~~ A catalyst comprising the transition metal complex as claimed in claim 4 ~~as a catalyst~~.

8. (Currently amended) ~~The use of the transition metal complex as claimed in claim 7 as a catalyst~~ A method for the addition of hydrocyanic acid to an olefinic double bond comprising hydrocyanating an olefin using the catalyst as claimed in claim 7.

9. (Currently amended) ~~The use of the transition metal complex as claimed in claim 7 as a catalyst~~ A method for the isomerization of organic nitriles comprising isomerizing an organic nitrile using the catalyst as claimed in claim 7.

10. (Withdrawn) A process comprising adding hydrocyanic acid to an olefinic double bond in the presence of a catalyst, wherein the catalyst is a transition metal complex as claimed in claim 5.

11. (Withdrawn) A process as claimed in claim 10, wherein the hydrocyanic acid is added to butadiene to obtain a compound selected from the group consisting of 2-methyl-3-butenenitrile and 3-pentenenitrile.

12. (Withdrawn) A process as claimed in claim 10, wherein the hydrocyanic acid is added to a 3-pentenenitrile, 4-pentenenitrile or mixtures thereof to obtain adiponitrile.

13. (Withdrawn) A process comprising isomerizing organic nitriles in the presence of a catalyst, wherein the catalyst used is a transition metal complex as claimed in claim 5.

14. (Withdrawn) A process as claimed in claim 13, wherein 2-methyl-3-butenenitrile is isomerized to 3-pentenenitrile.

15. (Previously presented) A phosphinate phosphite of claim 1 wherein the phosphite is of Formula 1.

16. (Previously presented) A phosphinate phosphite of claim 1 wherein the phosphite is of Formula 2.

17. (Previously presented) A phosphinate phosphite of claim 1 wherein the phosphite is of Formula 3.

18. (Previously presented) A phosphinate phosphite of claim 1 wherein the phosphite is of Formula 4

19. (Previously presented) A phosphinate phosphite of claim 1 wherein the phosphite is of Formula 5.

20. (Previously presented) A phosphinate phosphite of claim 1 wherein the phosphite is of Formula 6.

21. (New) A method of producing a transition metal complex comprising complex a transition metal with the phosphinite phosphate as claimed in claim 1.